L Number	Hits	Search Text	DB	Time stamp
1	37	(US-6771852-\$ or US-6587235-\$ or US-6396969-\$ or	USPAT;	2004/10/12 08:54
		US-5870212-\$ or US-6721502-\$ or US-5805320-\$ or	US-PGPUB;	
		US-6744769-\$ or US-6616349-\$ or US-6735392-\$ or	DERWENT	
		US-6654341-\$ or US-6512611-\$ or US-6411412-\$ or		
		US-6400859-\$ or US-6400477-\$ or US-6295146-\$ or		
		US-6278689-\$ or US-6222653-\$ or US-6154296-\$ or		
		US-6038044-\$ or US-5986783-\$ or US-5982517-\$ or		
		US-5903370-\$ or US-5884017-\$ or US-5793745-\$ or		
		US-5442623-\$ or US-5179548-\$).did. or		
		(US-20020018616-\$ or US-20030194231-\$ or		
		US-20030215231-\$ or US-20020114031-\$ or		
		US-20020075538-\$ or US-20020071154-\$ or		
		US-20020067883-\$ or US-20020067523-\$ or		
ļ		US-20020048066-\$).did. or (US-5875272-\$ or		
		EP-949777-\$).did.		
2	9	((US-6771852-\$ or US-6587235-\$ or US-6396969-\$ or	USPAT;	2004/10/12 08:59
		ÛS-5870212-\$ or US-6721502-\$ or US-5805320-\$ or	US-PGPUB;	
		US-6744769-\$ or US-6616349-\$ or US-6735392-\$ or	EPO; JPO;	
1		US-6654341-\$ or US-6512611-\$ or US-6411412-\$ or	DERWENT;	
		US-6400859-\$ or US-6400477-\$ or US-6295146-\$ or	IBM_TDB	
		US-6278689-\$ or US-6222653-\$ or US-6154296-\$ or	15/1_155	
		US-6038044-\$ or US-5986783-\$ or US-5982517-\$ or		
		US-5903370-\$ or US-5884017-\$ or US-5793745-\$ or		
		US-5442623-\$ or US-5179548-\$).did. or		
		· · · · · · · · · · · · · · · · · · ·	1	
		(US-20020018616-\$ or US-20030194231-\$ or		
		US-20030215231-\$ or US-20020114031-\$ or		
		US-20020075538-\$ or US-20020071154-\$ or		
		US-20020067883-\$ or US-20020067523-\$ or		
		US-20020048066-\$).did. or (US-5875272-\$ or	1	
		EP-949777-\$).did.) and (stag\$4 matrix\$2)		
3	22	(non-block\$4 near3 optical\$4 near3 (switch\$4 matrix	USPAT;	2004/10/12 09:03
		fabric\$4 stag\$4)).ab.	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
4	70	(non-block\$4 near3 optical\$4 near3 (switch\$4 matrix	USPAT;	2004/10/12 10:28
		fabric\$4 stag\$4)).bsum.	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
5	66	((non-block\$4 near3 optical\$4 near3 (switch\$4 matrix	USPAT;	2004/10/12 10:04
		fabric\$4 stag\$4)).bsum.) not ((non-block\$4 near3 optical\$4	US-PGPUB;	
		near3 (switch\$4 matrix fabric\$4 stag\$4)).ab.)	EPO; JPO;	
		The state of the s	DERWENT;	
			IBM_TDB	
6	162	switch\$4 near10 optical\$1 near10 channel\$1 near10	USPAT;	2004/10/12 10:09
	102	(protect\$4 standby\$1 spare) near10 channel\$1	US-PGPUB;	200 1/10/12 10:03
		(hingeriage stations at a share) tical to channels t	EPO; JPO;	
			DERWENT;	
_			IBM_TDB	2004/10/12 10:12
7	50	(switch\$4 near10 optical\$1 near10 channel\$1 near10	USPAT;	2004/10/12 10:13
		(protect\$4 standby\$1 spare) near10 channel\$1).bsum.	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
8	0	((non-block\$4 near3 optical\$4 near3 (switch\$4 matrix	USPAT;	2004/10/12 10:13
		fabric\$4 stag\$4)).bsum.) and ((switch\$4 near10 optical\$1	US-PGPUB;	
		near10 channel\$1 near10 (protect\$4 standby\$1 spare)	EPO; JPO;	
j		near10 channel\$1).bsum.)	DERWENT;	
		, ,,	IBM_TDB	
	L	<u> </u>	םחו ויוחד	l

9	0	(non-block\$4 near3 optical\$4 near3 (switch\$4 matrix fabric\$4 stag\$4)) and (switch\$4 near10 optical\$1 near10 channel\$1 near10 (protect\$4 standby\$1 spare) near10	USPAT; US-PGPUB; EPO; JPO;	2004/10/12 10:13
10	26	channel\$1) "5870212"	DERWENT; IBM_TDB USPAT;	2004/10/12 10:28
			US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	
11	4	(("5870212") or ("6735392")).PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT;	2004/10/12 10:42
12	2	("6785438").PN.	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/12 12:25
13	12	((input) and output and multiplex\$4 and demultiplex\$4) and ((US-6771852-\$ or US-6587235-\$ or US-6396969-\$ or US-5870212-\$ or US-6721502-\$ or US-5805320-\$ or US-6744769-\$ or US-6616349-\$ or US-6735392-\$ or US-6654341-\$ or US-6512611-\$ or US-6411412-\$ or US-6400859-\$ or US-6400477-\$ or US-6295146-\$ or US-6278689-\$ or US-6222653-\$ or US-6154296-\$ or US-6038044-\$ or US-5986783-\$ or US-5982517-\$ or US-5903370-\$ or US-5884017-\$ or US-5793745-\$ or US-5442623-\$ or US-5179548-\$).did. or (US-20020018616-\$ or US-20030194231-\$ or US-20030215231-\$ or US-200200114031-\$ or US-20020075538-\$ or US-20020071154-\$ or US-20020067883-\$ or US-20020067523-\$ or US-20020048066-\$).did. or (US-5875272-\$ or US-20020048066-\$).	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/12 12:32
14	7	EP-949777-\$).did.) (input same output same shel\$4) and multiplex\$4 and demultiplex\$4 and (optical\$1 near3 (switch\$4)).ab. and 385/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/12 12:36
-	258	(dwdm).ti.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/11 11:06
-	5	(dwdm).ti. and (ring\$1 near3 interconnect\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/08 14:24
-	198	398/5.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/08 15:09
-	57	398/4.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/08 14:23

-	3568	(dual\$1 near3 node\$1 near3 interconnect\$4) dri (dual\$1	USPAT;	2004/10/08 14:05
		near3 hom\$4)	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
<u>-</u>	1	398/5.ccls. and ((dual\$1 near3 node\$1 near3	USPAT;	2004/10/08 14:06
	1	interconnect\$4) dri (dual\$1 near3 hom\$4))	US-PGPUB;	2001/10/00 11:00
		interconnects and (duals interest nones and		
			EPO; JPO;	
			DERWENT;	
		200/4 1 1//1 114 2 1 14	IBM_TDB	2004/40/00 44 06
-	0	398/4.ccls. and ((dual\$1 near3 node\$1 near3	USPAT;	2004/10/08 14:06
		interconnect\$4) dri (dual\$1 near3 hom\$4))	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	211	398/59.ccls.	USPAT;	2004/10/08 14:23
		,	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
	3	((dual\$1 near3 node\$1 near3 interconnect\$4) dri (dual\$1	USPAT;	2004/10/08 14:24
-	3			2007/10/00 14.24
		near3 hom\$4)) and 398/59.ccls.	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	10861	ring\$1 near3 interconnect\$4	USPAT;	2004/10/08 14:24
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	54	398/59.ccls. and (ring\$1 near3 interconnect\$4)	USPAT;	2004/10/08 14:41
		000,000,000,000 and (gq 2and miles accommond v)	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
	4307	match\$4 near3 node\$2	USPAT;	2004/10/08 14:42
-	4307	Illattip4 fical 5 flode\$2	,	2007/10/00 17.72
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	36	rings and 398/5.ccls.	USPAT;	2004/10/08 14:48
			US-PGPUB;	
			EPO; JPO;	
	1		DERWENT;	
			IBM_TDB	
-	11	(shar\$4 near3 protect\$4 near3 span\$1) and ring\$1	USPAT;	2004/10/11 11:08
1]		US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
_	6	("5717796" "5903370" "6046832" "6052210"	USPAT	2004/10/08 14:53
-		(3717790 3903370 6040832 6032210 "6295146" "6222653").PN.	03/7/	200 1/10/00 17.55
			LICDAT	2004/10/08 14:57
-	0	6512611.URPN.	USPAT	
-	0	6512611.URPN.	USPAT	2004/10/08 14:57
-	3	("5179548" "5442623" "6202158").PN.	USPAT	2004/10/08 14:58
-	2	("5884017").PN.	USPAT;	2004/10/08 15:05
			US-PGPUB;	
			EPO; JPO;	
	1		DERWENT;	
			IBM_TDB	

-	2	WO-9923773\$.did.	USPAT;	2004/10/08 15:06
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
_	2	("6154296").PN.	USPAT;	2004/10/08 15:06
i		,	US-PGPUB;	, ,
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
	4	6154296.URPN.	USPAT	2004/10/08 15:07
-	852		USPAT;	2004/10/08 15:09
_	632	398/1.ccls.		2004/10/06 13.03
		· ·	US-PGPUB;	
			EPO; JPO;	
	ļ		DERWENT;	
			IBM_TDB	
-	14	398/1.ccls. and (shar\$4 near3 protect\$4)	USPAT;	2004/10/08 15:33
İ	1		US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	1866	370/216,217,221,222,223,225,224.ccls.	USPAT;	2004/10/08 15:33
			US-PGPUB;	
l			EPO; JPO;	
			DERWENT;	
1			IBM_TDB	
_	63	370/216,217,221,222,223,225,224.ccls. and (shar\$4 near3	USPAT;	2004/10/08 17:31
_	03	protect\$4)	US-PGPUB;	200 1/10/00 17.51
		protectar)	EPO; JPO;	
ł			DERWENT;	
			IBM_TDB	2004/40/00 47 22
-	0	(shar\$4 near3 protect\$4 near3 plural\$4 near3 channel\$1)	USPAT;	2004/10/08 17:33
		and 398/105,59.ccls.	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
	İ		IBM_TDB	
-	8	(shar\$4 near3 protect\$4 near3 plural\$4 near3 channel\$1)	USPAT;	2004/10/08 17:36
į			US-PGPUB;	,
			EPO; JPO;	!
			DERWENT;	
			IBM_TDB	
_	15	(shar\$4 near10 protect\$4 near10 plural\$4 near10	USPAT;	2004/10/08 18:21
		channel\$1)	US-PGPUB;	, , <u></u>
	1		EPO; JPO;	
			DERWENT;	
			IBM_TDB	
_	7	((shar\$4 near10 protect\$4 near10 plural\$4 near10	USPAT;	2004/10/08 17:36
	1	channel\$1)) not ((shar\$4 near3 protect\$4 near3 plural\$4	US-PGPUB;	200 1, 10, 00 17.50
			EPO; JPO;	
		near3 channel\$1))		
	}		DERWENT;	
		(IBM_TDB	2004/40/00 47:47
-	571	(protect\$4 near10 plural\$4 near10 channel\$1)	USPAT;	2004/10/08 17:47
			US-PGPUB;	
	1		EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	1288	398/1-5,59.ccls.	USPAT;	2004/10/08 17:38
			US-PGPUB;	
			EPO; JPO;	1
			DERWENT;	
	1		IBM_TDB	
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398/1-5,59.ccls. US-PGPUB; EPO; JPO; DERWENT; IBM, TDB USPAT; US-PGPUB; EPO; JPO; JPO; DERWENT; IBM, TDB USPAT; US-PGPUB; EPO; JPO; JPO; JPO; JPO; JPO; JPO; JPO; J					
EPO; JPO; DERWENT; IBM, TDB USPAT; US-PGPUB; EPO; DPO; DPO; DPO; DPO; DPO; DPO; DPO; D	-	18			2004/10/08 17:45
DERWENT; IBM TDB USPAT; US			,	EPO; JPO;	ļ
23 ((protects4 near10 plurals4 near10 channels1) and 370/216,217,221,222,223,225,224.ccis. 18M, TDB 19PG, JPO, DERWENT; IBM, TDB 19PG, JPO, JPO, DERWENT; IBM, TDB 19PG, JPO, JPO, JPO, JPO, JPO, JPO, JPO, JPO					
23					
370/216,217,221,222,223,225,224.ccls. US-PGPUB; PDC, JPO; DOC JPO; DOCKWENT; IBM. TDB USPAT; US-PGPUB; PDC, JP	_	23	//nrotect\$4 near10 plural\$4 near10 channel\$1)) and	_	2004/10/08 17:45
Contect\$4 near10 plural\$4 near10 optical\$1 near10		23			200 1/10/00 17:15
- 40 (protect\$4 near10 plural\$4 near10 optical\$1 near10			370/210,217,221,222,223,223,224.Cls.		
40	j				
40 Channel\$1 Channel\$1 Channel\$1 USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM, TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM, TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM, TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM, TDB USPAT; USPAT USPAT USPAT; USPAT					
Channel\$1 US-PCPUB; EPC; JPC; DERWENT; IBM_TDB US-PCPUB; EPC; JPC; DERWENT; IBM_TDB USPAT; US-PCPUB; EPC; JPC; DERWENT; IBM_TDB USPAT; USPAT				_	0004/40/0047.50
- 31 398/1-5,59.ccls. and (multi\$4 near3 channel\$1 near3 optical\$1 near3 signal\$1)	j -	40		1 '	2004/10/08 17:52
- 31 398/1-5,59.ccls. and (multi\$4 near3 channel\$1 near3 optical\$1 near3 signal\$1)			channel\$1)		
31 398/1-5,59.ccls. and (multi\$4 near3 channel\$1 near3 18M.TDB USPAT; US-PGPUB; EPC; JPO; DERWENT; IBM.TDB USPAT U					
31 398/1-5,59.ccls. and (multi\$4 near3 channel\$1 near3 USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB 2004/10/08 18:34 2					
Optical\$1 near3 signal\$1)					
EPO; JPO; DERWENT; IBM_TDB USPAT USPAT USPAT USPAT; US-PGPUB; PPO; JPO; DERWENT; IBM_TDB USPAT USPAT; US-PGFUB; PPO; JPO; DERWENT; IBM_TDB USPAT; US-PGFUB	-	31	398/1-5,59.ccls. and (multi\$4 near3 channel\$1 near3	USPAT;	2004/10/08 17:53
DERWENT; IBM_TDB USPAT U			optical\$1 near3 signal\$1)	US-PGPUB;	
DERWENT; IBM_TDB USPAT U				EPO; JPO;	
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- 0 ("S179548" "S442623" "6202158").PN. USPAT USPAT USPAT USPAT USPAT USPAT USPAT USPAT; USPGPUB; EPO, JPO; DERWENT; IBM_TDB USPAT; USPAT; USPAT; USPAT; USPGPUB; EPO, JPO; DERWENT; IBM_TDB USPAT; USPAT; USPAT; USPAT; USPGPUB; EPO, JPO; DERWENT; IBM_TDB USPAT; USPAT; USPAT; USPAT; USPGPUB; EPO, JPO; DERWENT; IBM_TDB USPAT; USPAT; USPAT; USPAT; USPGPUB; EPO, JPO; DERWENT; IBM_TDB USPAT; USPGPUB; EPO, JPO; DERWENT; IBM_TDB USPAT; USPGPUB; EPO, JPO; DERWENT; IBM_TDB USPAT; USPGPUB; EPO; JPO; JPO; JPO; JPO; JPO; JPO; JPO; J					
- 0 6421318.URPN. 2 2 7918 - 1 238 (multi\$4 near3 channel\$1 near3 optical\$1 near3 - 238 (multi\$4 near3 channel\$1 near3 optical\$1 near3 - 238 (multi\$4 near3 channel\$1 near3 optical\$1 near3 - 3 connect\$4 near10 any near10 work\$4 near10 channel\$1	-	3	("5179548" "5442623" "6202158").PN.		2004/10/08 17:57
- 238 (multi\$4 near3 channel\$1 near3 optical\$1 near3 uspart; lbn_tribbus and 398/1-5,59.ccls. - 3 (multi\$4 near3 channel\$1 near3 optical\$1 near3 uspart; lbn_tribbus and 398/\$.ccls. - 48 (multi\$4 near3 channel\$1 near3 optical\$1 near3 uspart; lbn_tribbus and 398/\$.ccls. - 1 (multi\$4 near3 channel\$1 near3 optical\$1 near3 uspart; lbn_tribbus and 398/\$.ccls. - 3 (multi\$4 near3 channel\$1 near3 optical\$1 near3 uspart; lbn_tribbus and 398/\$.ccls. - 1 (multi\$4 near3 channel\$1 near3 optical\$1 near3 uspart; lbn_tribbus and 398/\$.ccls. - 1 (multi\$4 near3 channel\$1 near3 optical\$1 near3 uspart; lbn_tribbus and 398/\$.ccls. and protect\$4 and ring\$1 - 3 (multi\$4 near3 channel\$1 near3 optical\$1 near3 uspart; lbn_tribbus uspart	_	ſ			
- 238 (multi\$4 near3 channel\$1 near3 optical\$1 near3 USPAT; IBM_TDB USPAT; IBM_TD	_	_			1 ' '
- 238 (multi\$4 near3 channel\$1 near3 optical\$1 near3 USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGP			9, 2510		200 1, 10, 00 10.21
- 238 (multi\$4 near3 channel\$1 near3 optical\$1 near3					
Content Cont					
- 238 (multi\$4 near3 channel\$1 near3 optical\$1 near3 signal\$1).ab. - 3 connect\$4 near10 any near10 work\$4 near10 channel\$1 USPAT; IBM_TDB usPGPUB; EPO; JPO; DERWENT; IBM_TDB usPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB uspAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB uspAT; uspGPUB; uspAT; uspGPUB; uspAT; uspGPUB; uspAT; uspGPUB; uspAT; uspGPUB; uspAT; uspGPUB; uspAT; uspGPUB; uspAT; uspGPUB; uspAT; uspGPUB; uspAT					}
Signal\$1).ab. US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; EPO; JPO; DE		220	/ IUA4 2		2004/10/00 10-24
Connect\$4 near10 any near10 work\$4 near10 channel\$1	-	238			2004/10/08 18:34
Connect\$4 near10 any near10 work\$4 near10 channel\$1			signal\$1).ab.		
Connect\$4 near10 any near10 work\$4 near10 channel\$1					
- 3 connect\$4 near10 any near10 work\$4 near10 channel\$1					
near10 any near10 protect\$4 near10 channel\$1					
- 3 (multi\$4 near3 channel\$1 near3 optical\$1 near3 signal\$1).ab. and 398/1-5,59.ccls. USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; ISM_TDB USPAT; US-PGPUB; EPO; JPO; JPO; JPO; JPO; JPO; JPO; JPO; J	-	3			2004/10/08 18:33
- 3 (multi\$4 near3 channel\$1 near3 optical\$1 near3 USPAT; IBM_TDB USPAT; IBM_TDB USPAT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; JPO; JPO; JPO; JPO; JPO; JPO; J			near10 any near10 protect\$4 near10 channel\$1		
- 3 (multi\$4 near3 channel\$1 near3 optical\$1 near3 signal\$1).ab. and 398/1-5,59.ccls. USPAT;		-		EPO; JPO;	
- 3 (multi\$4 near3 channel\$1 near3 optical\$1 near3				DERWENT;	
Signal\$1).ab. and 398/1-5,59.ccls.	1			IBM_TDB	
EPO; JPO; DERWENT; IBM_TDB 48 (multi\$4 near3 channel\$1 near3 optical\$1 near3 signal\$1).ab. and 398/\$.ccls. 1 (multi\$4 near3 channel\$1 near3 optical\$1 near3 signal\$1).ab. and 398/\$.ccls. and protect\$4 and ring\$1 1 (multi\$4 near3 channel\$1 near3 optical\$1 near3 signal\$1).ab. and 398/\$.ccls. and protect\$4 and ring\$1 3 (multi\$4 near3 channel\$1 near3 optical\$1 near3 signal\$1).ab. and 398/\$.ccls. and protect\$4 - 3 (multi\$4 near3 channel\$1 near3 optical\$1 near3 signal\$1).ab. and 398/\$.ccls. and protect\$4 - 0 (multi\$4 near3 channel\$1 near3 optical\$1 near3 signal\$1).ab. and 370/\$.ccls. and protect\$4 - 0 (multi\$4 near3 channel\$1 near3 optical\$1 near3 signal\$1).ab. and 370/\$.ccls. and protect\$4 - 0 (multi\$4 near3 channel\$1 near3 optical\$1 near3 signal\$1).ab. and 370/\$.ccls. and protect\$4 - 0 (multi\$4 near3 channel\$1 near3 optical\$1 near3 signal\$1).ab. and 370/\$.ccls. and protect\$4	-	3	(multi\$4 near3 channel\$1 near3 optical\$1 near3	USPAT;	2004/10/08 18:37
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- 48 (multi\$4 near3 channel\$1 near3 optical\$1 near3				EPO; JPO;	
- 48 (multi\$4 near3 channel\$1 near3 optical\$1 near3 signal\$1).ab. and 398/\$.ccls. - 1 (multi\$4 near3 channel\$1 near3 optical\$1 near3 signal\$1).ab. and 398/\$.ccls. and protect\$4 and ring\$1 - 3 (multi\$4 near3 channel\$1 near3 optical\$1 near3 signal\$1).ab. and 398/\$.ccls. and protect\$4 user3 channel\$1 near3 optical\$1 near3 signal\$1).ab. and 398/\$.ccls. and protect\$4 - 0 (multi\$4 near3 channel\$1 near3 optical\$1 near3 signal\$1).ab. and 398/\$.ccls. and protect\$4 - 0 (multi\$4 near3 channel\$1 near3 optical\$1 near3 signal\$1).ab. and 370/\$.ccls. and protect\$4 - 0 (multi\$4 near3 channel\$1 near3 optical\$1 near3 signal\$1).ab. and 370/\$.ccls. and protect\$4 - 0 (multi\$4 near3 channel\$1 near3 optical\$1 near3 signal\$1).ab. and 370/\$.ccls. and protect\$4 - 0 (multi\$4 near3 channel\$1 near3 optical\$1 near3 signal\$1).ab. and 370/\$.ccls. and protect\$4 - 0 (multi\$4 near3 channel\$1 near3 optical\$1 near3 signal\$1).ab. and 370/\$.ccls. and protect\$4					
- 48 (multi\$4 near3 channel\$1 near3 optical\$1 near3 signal\$1).ab. and 398/\$.ccls. - 1 (multi\$4 near3 channel\$1 near3 optical\$1 near3 signal\$1).ab. and 398/\$.ccls. and protect\$4 and ring\$1 - 3 (multi\$4 near3 channel\$1 near3 optical\$1 near3 signal\$1).ab. and 398/\$.ccls. and protect\$4 - 0 (multi\$4 near3 channel\$1 near3 optical\$1 near3 signal\$1).ab. and 398/\$.ccls. and protect\$4 - 0 (multi\$4 near3 channel\$1 near3 optical\$1 near3 signal\$1).ab. and 370/\$.ccls. and protect\$4 - 0 (multi\$4 near3 channel\$1 near3 optical\$1 near3 signal\$1).ab. and 370/\$.ccls. and protect\$4 - 0 (multi\$4 near3 channel\$1 near3 optical\$1 near3 signal\$1).ab. and 370/\$.ccls. and protect\$4 - 0 (multi\$4 near3 channel\$1 near3 optical\$1 near3 signal\$1).ab. and 370/\$.ccls. and protect\$4 - 0 (multi\$4 near3 channel\$1 near3 optical\$1 near3 signal\$1).ab. and 370/\$.ccls. and protect\$4	!			1	
Signal\$1).ab. and 398/\$.ccls.	_	48	(multi\$4 near3 channel\$1 near3 optical\$1 near3		2004/10/08 18:39
- 1 (multi\$4 near3 channel\$1 near3 optical\$1 near3 signal\$1).ab. and 398/\$.ccls. and protect\$4 and ring\$1 USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB - 3 (multi\$4 near3 channel\$1 near3 optical\$1 near3 signal\$1).ab. and 398/\$.ccls. and protect\$4 USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB - 0 (multi\$4 near3 channel\$1 near3 optical\$1 near3 USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB - 0 (multi\$4 near3 channel\$1 near3 optical\$1 near3 signal\$1).ab. and 370/\$.ccls. and protect\$4 USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB - 0 (multi\$4 near3 channel\$1 near3 optical\$1 near3 USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB					
- 1 (multi\$4 near3 channel\$1 near3 optical\$1 near3 signal\$1).ab. and 398/\$.ccls. and protect\$4 and ring\$1 USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; Signal\$1).ab. and 398/\$.ccls. and protect\$4 US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; ISPAT; US-PGPUB; EPO; JPO; DERWENT; ISPAT; US-PGPUB; EPO; JPO; US-PGPUB; EPO; JPO; DERWENT; ISPAT; US-PGPUB; EPO; JPO; DERWENT; ISPAT; US-PGPUB; EPO; JPO; ISPAT; US-PGPUB; ISP					
- I (multi\$4 near3 channel\$1 near3 optical\$1 near3 signal\$1).ab. and 398/\$.ccls. and protect\$4 and ring\$1 USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB - 3 (multi\$4 near3 channel\$1 near3 optical\$1 near3 signal\$1).ab. and 398/\$.ccls. and protect\$4 USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB - 0 (multi\$4 near3 channel\$1 near3 optical\$1 near3 period by the protect of					
- I (multi\$4 near3 channel\$1 near3 optical\$1 near3 signal\$1).ab. and 398/\$.ccls. and protect\$4 and ring\$1 - 3 (multi\$4 near3 channel\$1 near3 optical\$1 near3 optical\$1 near3 optical\$1 near3 signal\$1).ab. and 398/\$.ccls. and protect\$4 - 0 (multi\$4 near3 channel\$1 near3 optical\$1 near3 signal\$1).ab. and 370/\$.ccls. and protect\$4 - 0 (multi\$4 near3 channel\$1 near3 optical\$1 near3				1	}
signal\$1).ab. and 398/\$.ccls. and protect\$4 and ring\$1 US-PGPUB; EPO; JPO; DERWENT; IBM_TDB (multi\$4 near3 channel\$1 near3 optical\$1 near3 signal\$1).ab. and 398/\$.ccls. and protect\$4 US-PGPUB; EPO; JPO; DERWENT; IBM_TDB (multi\$4 near3 channel\$1 near3 optical\$1 near3 signal\$1).ab. and 370/\$.ccls. and protect\$4 2004/10/08 18:40 US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO;			/multi¢4 near3 channel¢1 near3 ontical¢1 near3	· -	2004/10/09 19:20
EPO; JPO; DERWENT; IBM_TDB (multi\$4 near3 channel\$1 near3 optical\$1 near3 signal\$1).ab. and 398/\$.ccls. and protect\$4 USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; USPAT; USPAT; USPAT; USPAT; US-PGPUB; EPO; JPO; JPO; JPO; JPO; JPO; JPO; JPO; J	_	1			2007/10/00 10.39
- 3 (multi\$4 near3 channel\$1 near3 optical\$1 near3 signal\$1).ab. and 398/\$.ccls. and protect\$4 US-PGPUB; EPO; JPO; DERWENT; IBM_TDB - 0 (multi\$4 near3 channel\$1 near3 optical\$1 near3 signal\$1).ab. and 370/\$.ccls. and protect\$4 US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO;			signai\$1).au. anu 530/\$.ccis. anu protect\$4 anu ring\$1		1
- 3 (multi\$4 near3 channel\$1 near3 optical\$1 near3 signal\$1).ab. and 398/\$.ccls. and protect\$4 US-PGPUB; EPO; JPO; DERWENT; IBM_TDB - 0 (multi\$4 near3 channel\$1 near3 optical\$1 near3 signal\$1).ab. and 370/\$.ccls. and protect\$4 US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO;					
- 3 (multi\$4 near3 channel\$1 near3 optical\$1 near3 signal\$1).ab. and 398/\$.ccls. and protect\$4 - 0 (multi\$4 near3 channel\$1 near3 optical\$1 near3 optical\$1 near3 optical\$1 near3 signal\$1).ab. and 370/\$.ccls. and protect\$4 USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; PO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; U					
signal\$1).ab. and 398/\$.ccls. and protect\$4 US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; Signal\$1).ab. and 370/\$.ccls. and protect\$4 US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO;		_			2004/40/20 40 43
EPO; JPO; DERWENT; IBM_TDB (multi\$4 near3 channel\$1 near3 optical\$1 near3 signal\$1).ab. and 370/\$.ccls. and protect\$4 USPAT; US-PGPUB; EPO; JPO;	-	3			2004/10/08 18:40
DERWENT; IBM_TDB (multi\$4 near3 channel\$1 near3 optical\$1 near3 signal\$1).ab. and 370/\$.ccls. and protect\$4 US-PGPUB; EPO; JPO;			signal\$1).ab. and 398/\$.ccls. and protect\$4		
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- 0 (multi\$4 near3 channel\$1 near3 optical\$1 near3 USPAT; 2004/10/08 18:40 signal\$1).ab. and 370/\$.ccls. and protect\$4 US-PGPUB; EPO; JPO;					
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1 = =:::=:::/					
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-	0	(multi\$4 near3 channel\$1 near3 optical\$1 near3	USPAT;	2004/10/08 18:47
		signal\$1).ab. and 370/\$.ccls.	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
<u> </u>	22	(optical\$4 near3 cross\$4 near3 connect\$4).ab. and dwdm	USPAT;	2004/10/08 18:48
	22	and ring\$1	US-PGPUB;	2001/10/00 10:10
		and might		
			EPO; JPO;	
			DERWENT;	
	_		IBM_TDB	
-	2	("5875272").PN.	USPAT;	2004/10/11 11:08
	1		US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
	•		IBM_TDB	
1 _	2534	385/\$.ccls. and ring\$1 and protect\$4	USPAT;	2004/10/11 11:08
1	2551	303/\$.ccis. and ring\$1 and proceeds t	US-PGPUB;	200 1, 10, 11 11:00
			1	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	2004/10/11 11 15
-	27	(shar\$4 near3 protect\$4) and (385/\$.ccls. and ring\$1 and	USPAT;	2004/10/11 11:48
		protect\$4)	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
_	2	("5870212").PN.	USPAT;	2004/10/11 12:54
	_	(307 0222) W	US-PGPUB;	
	•		EPO; JPO;	
			DERWENT;	
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		(numbered none) abundit4 none) channel(1) ab and		2004/10/11 12:02
-	1	(protect\$4 near3 plurali\$4 near3 channel\$1).ab. and	USPAT;	2004/10/11 13:02
		398/\$.ccls.	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	0	protect\$4 near3 span near3 plurali\$4 near3 channel\$1	USPAT;	2004/10/11 13:02
ļ			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	,
_	О	protect\$4 near3 span\$1 near3 plurali\$4 near3 channel\$1	USPAT;	2004/10/11 13:03
		p. 2.2.2.4 . Hours oparing Hours planting Hours officially	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
	407	www.da.edd.com/2 characidd	IBM_TDB	2004/10/11 14:02
-	107	protect\$4 near3 plurali\$4 near3 channel\$1	USPAT;	2004/10/11 14:02
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	15	(protect\$4 near3 plurali\$4 near3 channel\$1) and (dwdm	USPAT;	2004/10/11 13:07
		wdm)	US-PGPUB;	
		•	EPO; JPO;	
			DERWENT;	
			IBM_TDB	
_	2	("5805320") PM	USPAT;	2004/10/11 13:12
-	1	("5805320").PN.		2007/10/11 13.12
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
	<u>L</u>		IBM_TDB	

-	7	switch\$4 near3 respect\$4 near3 protect\$4 near3 channel\$1	USPAT;	2004/10/11 13:24
		The state of the s	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	11	09/119562	USPAT;	2004/10/11 13:24
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
	872	 multi\$4 near3 channel\$1 near3 optical\$1 near3 signal\$1	IBM_TDB USPAT;	2004/10/11 13:30
-	672	multipa nears chamicipt nears optically mears signally	US-PGPUB;	2004/10/11 13.30
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	37	(US-6771852-\$ or US-6735392-\$ or US-6616349-\$ or	USPAT;	2004/10/11 13:28
		ÙS-6512611-\$ or US-6278689-\$ or US-6222653-\$ or	US-PGPUB;	
		US-5982517-\$ or US-5903370-\$ or US-5870212-\$ or	DERWENT	
		US-5442623-\$ or US-6744769-\$ or US-6400859-\$ or		
		US-6411412-\$ or US-6038044-\$ or US-5986783-\$ or		
		US-6654341-\$ or US-6295146-\$ or US-5179548-\$ or		
		US-5884017-\$ or US-6154296-\$ or US-5793745-\$ or		
		US-6721502-\$ or US-6400477-\$ or US-6587235-\$ or US-6396969-\$ or US-5805320-\$).did. or		
		(US-20020071154-\$ or US-20020114031-\$ or		
		US-20020071134-\$ or US-20020114031 \$ or US-20020075538-\$ or		
		US-20030194231-\$ or US-20030215231-\$ or		
		US-20020067883-\$ or US-20020048066-\$ or		
		US-20020018616-\$).did. or (EP-949777-\$ or		
		US-5875272-\$).did.		
-	0	(multi\$4 near3 channel\$1 near3 optical\$1 near3 signal\$1)	USPAT;	2004/10/11 13:29
		and ((US-6771852-\$ or US-6735392-\$ or US-6616349-\$ or	US-PGPUB;	
		US-6512611-\$ or US-6278689-\$ or US-6222653-\$ or	EPO; JPO;	
		US-5982517-\$ or US-5903370-\$ or US-5870212-\$ or	DERWENT;	
		US-5442623-\$ or US-6744769-\$ or US-6400859-\$ or	IBM_TDB	
		US-6411412-\$ or US-6038044-\$ or US-5986783-\$ or US-6654341-\$ or US-6295146-\$ or US-5179548-\$ or		
		US-5884017-\$ or US-6154296-\$ or US-5793745-\$ or		
		US-6721502-\$ or US-6400477-\$ or US-6587235-\$ or		
		US-6396969-\$ or US-5805320-\$).did. or		
		(US-20020071154-\$ or US-20020114031-\$ or		
		US-20020067523-\$ or US-20020075538-\$ or		
	1	US-20030194231-\$ or US-20030215231-\$ or		
		US-20020067883-\$ or US-20020048066-\$ or		
		US-20020018616-\$).did. or (EP-949777-\$ or		
		US-5875272-\$).did.)		2004/40/44 42 22
-	10470	multi\$4 near3 channel\$1 near3 signal\$1	USPAT;	2004/10/11 13:29
			US-PGPUB;	
			EPO; JPO; DERWENT;	
			IBM_TDB	

-	2	(multi\$4 near3 channel\$1 near3 signal\$1) and	USPAT;	2004/10/11 13:29
		((US-6771852-\$ or US-6735392-\$ or US-6616349-\$ or	US-PGPUB;	
		US-6512611-\$ or US-6278689-\$ or US-6222653-\$ or	EPO; JPO;	
	-	US-5982517-\$ or US-5903370-\$ or US-5870212-\$ or	DERWENT;	
		US-5442623-\$ or US-6744769-\$ or US-6400859-\$ or	IBM_TDB	
		US-6411412-\$ or US-6038044-\$ or US-5986783-\$ or		
İ		US-6654341-\$ or US-6295146-\$ or US-5179548-\$ or		
		US-5884017-\$ or US-6154296-\$ or US-5793745-\$ or		
		US-6721502-\$ or US-6400477-\$ or US-6587235-\$ or		
		US-6396969-\$ or US-5805320-\$).did. or		
		(US-20020071154-\$ or US-20020114031-\$ or		
		US-20020067523-\$ or US-20020075538-\$ or		
		US-20030194231-\$ or US-20030215231-\$ or		
		US-20020067883-\$ or US-20020048066-\$ or		
		US-20020018616-\$).did. or (EP-949777-\$ or		
		US-5875272-\$).did.)		
l -	221	(multi\$4 near3 channel\$1 near3 optical\$1).ab. and (dwdm	USPAT;	2004/10/11 13:32
		wdm)	US-PGPUB;	
		, wanny	EPO; JPO;	
			DERWENT;	
			IBM_TDB	
	_	(multit4 near) channelt1 near? enticalt1 near?	USPAT;	2004/10/11 12:21
-	0	(multi\$4 near3 channel\$1 near3 optical\$1 near3		2004/10/11 13:31
		protect\$4).ab. and (dwdm wdm)	US-PGPUB;	
			EPO; JPO;	
	:		DERWENT;	
			IBM_TDB	
-	5	(multi\$4 near3 channel\$1 near3 optical\$1).ab. and (dwdm	USPAT;	2004/10/11 13:42
		wdm) and protect\$4 and ring\$1	US-PGPUB;	
		•	EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	2	("6735392").PN.	USPAT;	2004/10/11 14:02
	_	(0,00052)	US-PGPUB;	200 1, 20, 22 2 1102
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
	8	("5406549" "5777761" "5933258" "6046833"	USPAT	2004/10/11 13:42
-	8		OSFAT	2004/10/11 13.42
		"6154296" "6282334" "6331906" "6570872").PN.	LICDAT.	2004/10/11 14:02
-	0	plurali\$4 near3 channel\$1 near3 failure\$1 near3 rings	USPAT;	2004/10/11 14:03
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
	_		IBM_TDB	0004/10/11 11 22
-	2	(plurali\$4 near3 channel\$1 near3 failure\$1) and (wdm	USPAT;	2004/10/11 14:03
		dwdm)	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	19	(channels near3 failures) and (wdm dwdm)	USPAT;	2004/10/11 14:09
		, , ,	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
_	0	((two or dual\$1) near3 channels near3 failures) and (optical	USPAT;	2004/10/11 14:09
		near10 rings)	US-PGPUB;	200 1, 10, 11 14.05
		Hearto Hillys)	EPO; JPO;	
	,		DERWENT;	
	_	(channels add failuses) and (catical accust original)	IBM_TDB	2004/10/11 14:00
-	0	(channels adj1 failures) and (optical near10 rings)	USPAT;	2004/10/11 14:09
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
L			IBM_TDB	<u> </u>

-	2	(channels adj1 failures) and (optical and rings)	USPAT;	2004/10/11 14:10
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	1	(dual adj1 failures) and (optical and rings)	USPAT;	2004/10/11 14:10
			US-PGPUB;	, ,
	1		EPO; JPO;	
			DERWENT;	
	1		IBM_TDB	
_	0	(tributar\$4 near3 channel\$1 near3 failur\$4).ab. and (dwdm	USPAT;	2004/10/11 14:35
	1	wdm)	US-PGPUB;	200 1, 20, 22 2 1100
	}	wanny .	EPO; JPO;	
			DERWENT;	
			IBM_TDB	
		(dropt4 page2 channelt1 page2 failurt4) ab and (dudm		2004/10/11 14:25
_	0	(drop\$4 near3 channel\$1 near3 failur\$4).ab. and (dwdm	USPAT;	2004/10/11 14:35
		wdm)	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
	_		IBM_TDB	
-	0	(tributar\$4 near3 channel\$1 near3 failur\$4).ab. and (dwdm	USPAT;	2004/10/11 14:35
		wdm)	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	0	(tributar\$4 near3 failur\$4).ab. and (dwdm wdm)	USPAT;	2004/10/11 14:35
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	0	(dop\$4 near3 failur\$4).ab. and (dwdm wdm)	USPAT;	2004/10/11 14:35
			US-PGPUB;	, ,
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
_	0	(tributar\$4 near3 channel\$1 near3 failur\$4) and (dwdm	USPAT;	2004/10/11 14:35
		wdm)	US-PGPUB;	200 1/10/11 1 1100
		, main,	EPO; JPO;	
			DERWENT;	
			IBM_TDB	
]_	14	(drop\$4 near3 channel\$1 near3 failur\$4) and (dwdm wdm)	USPAT;	2004/10/11 14:42
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